Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	10/30/2017 10:33 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123851	-1	2.20	123721	2.16
Blue	F	SSC	125000	122335	-3	3.67	122713	3.64
Blue	E	FITC	23615	22713	-4	3.16	1013	10.69
Blue	D	PE	26739	26294	-2	2.83	944	10.22
Blue	B	PerCP-Cy5-5	48339	47535	-2	4.00	1361	17.65
Blue	A	PE-Cy7	45021	45300	0	5.67	701	36.78
Red	C	APC	53064	51908	-3	2.97	2991	9.91
Red	A	APC-Cy7	57175	56043	-2	3.03	1168	11.80
Violet	B	V450	14728	13845	-6	5.81	664	9.80
Violet	A	V500	58621	55745	-5	5.57	2476	7.57

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18962	2.89	610	-4	N/A	N/A	Pass
Blue	F	SSC	60037	2.51	548	2	N/A	N/A	Pass
Blue	E	FITC	111	40.60	548	0	0.0197	167	Pass
Blue	D	PE	205	30.61	539	3	0.1592	284	Pass
Blue	B	PerCP-Cy5-5	212	46.33	637	2	0.0093	77	Pass
Blue	A	PE-Cy7	73	132.09	697	4	0.0112	25	Pass
Red	C	APC	350	28.57	602	5	0.0183	40	Pass
Red	A	APC-Cy7	127	41.78	584	4	0.0048	1396	Pass
Violet	B	V450	81	43.87	472	2	0.0537	2592	Pass
Violet	A	V500	177	24.25	500	3	0.0150	743	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.41	-31.17	0.83
Blue	20.34	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.33
Red	16.09	13.27 - 19.91	N/A	N/A	31.46	31.74	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 15007

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments